MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

NOTICE OF ACCEPTANCE (NOA)

Pella Corporation
102 Main Street
Pella, IA 50219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HIG Awning" Aluminum Clad Wood Awning Window – L.M.I

APPROVAL DOCUMENT: Drawing No. **1520,** titled "HIG Aluminum Clad Impact Awning Window", sheets 1 through 5 of 5, dated 03/23/07, with revision B1 dated 10/21/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 11-1026.10** and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**

MIAMI-DADE COUNTY APPROVED

J. Gascon 8/1/12

NOA No. 12-0620.10
Expiration Date: October 25, 2017
Approval Date: August 9, 2012

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS ***(Submitted under previous NOA# 11-1026.10)***

1. Manufacturer's die drawings and sections.
2. Drawing No. **1520**, titled "HIG Aluminum Clad Impact Awning Window", sheets 1 through 5 of 5, dated 03/23/07, with revision B1 dated 10/21/11, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94

   along with marked-up drawings and installation diagram of series/model HIG awning, aluminum clad wood awning window, prepared by Architectural Testing, Inc., Test Report No. **ATI-93259.01-201-18**, dated 09/15/09, signed and sealed by Joseph A. Reed, P.E.

   (Submitted under previous NOA# 09-1027.04)
2. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
   2) Cyclic Wind Pressure Loading per FBC, TAS 203-94

   along with marked-up drawings and installation diagram of three series/model HIG IG aluminum clad wood casement/fixed windows, prepared by Architectural Testing, Inc., Test Report No. **ATI-93328.01-201-18**, dated 08/24/09, with revision 1 dated 10/12/09, signed and sealed by Joseph A. Reed, P.E.

   (Submitted under previous NOA# 09-1027.04)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
   2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
   3) Water Resistance Test, per FBC, TAS 202-94
   4) Large Missile Impact Test per FBC, TAS 201-94
   5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   along with marked-up drawings and installation diagram of series/model HIG IG/monolithic aluminum clad wood casement window mulled jamb to jamb to an aluminum clad wood fixed window, prepared by Architectural Testing, Inc., Test Report No. **ATI-71262.08-201-18**, dated 05/27/07, signed and sealed by Joseph A. Reed, P.E.

   (Submitted under previous NOA# 07-0619.11)

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0620.10
Expiration Date: October 25, 2017
Approval Date: August 9, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS: ***(Submitted under previous NOA# 11-1026.10)***

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and 2010, dated 09/08/09 and updated on 10/21/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E1300-04

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **11–0413.04** issued to E.I. DuPont DeNemours & Co., Inc. for their **"DuPont SentryGlas® Interlayer"** dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11–0624.01** issued to E.I. DuPont DeNemours & Co., Inc. for their **"DuPont Butacite® PVB Interlayer"** dated 09/08/11, expiring on 12/11/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, dated 10/21/11, signed and sealed by Warren W. Schaefer, P.E. ***(Submitted under previous NOA# 11-1026.10)***
2. Statement letter of no financial interest, dated 10/19/11, signed and sealed by Warren W. Schaefer, P.E. ***(Submitted under previous NOA# 11-1026.10)***
3. Laboratory compliance letters for Test Report No. **ATI-93259.01-201-18, ATI-93328.01-201-18** and **ATI-71262.08-201-18**, issued by Architectural Testing, Inc., dated September 15, 2009 and August 25, 2009, signed and sealed by Joseph A. Reed, P.E.

G. OTHERS

1. Notice of Acceptance No. 11-1026.10, issued to Pella Corporation for their Series "HIG" Aluminum Clad Wood Vent Awning Window – L.M.I., approved on 01/12/12 and expiring on 10/25/12.

Jaime D. Gascon, P.E.
Product Control Section Supervisor
NOA No. 12-0620.10
Expiration Date: October 25, 2017
Approval Date: August 9, 2012

GENERAL NOTES:

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCALS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF Kd = 0.85 MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR Cd = 1.6 WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

CORNER CONSTRUCTION

FRAME CORNERS: THE SIDE WOOD MEMBERS ARE BUTTED TO THE HEAD & SILL MEMBERS & SECURED WITH THREE(3) 14 GAGE 7/16" X 2 1/2" STAPLES. CLADDING IS MITERED TOGETHER, JOINED WITH A PLASTIC CORNER KEY PART NO. 77U00000 & SEALED WITH BUTYL DEVAN 578.12 OR BOSTIK 900 POLYURETHANE SEALANT. EACH CLADDING MEMBER IS SECURED TO THE KEY WITH 1 NO. 10 X 17/32" FH SCREW (2 TOTAL PER CORNER)

SASH CORNERS:

OPTION 1: MORTISE & TENON CONSTRUCTION. A 1/8" BEAD OF BOSTIK CHEM-CALK URETHANE IS PLACED AT THE TENNON BOTTOM SURFACE. WOOD GLUE IS PLACED AT THE TENNON SIDES. THE JOINT IS THEN ASSEMBLED & SECURED WITH ONE 15 GA. X 1 1/2" FINISH NAIL.

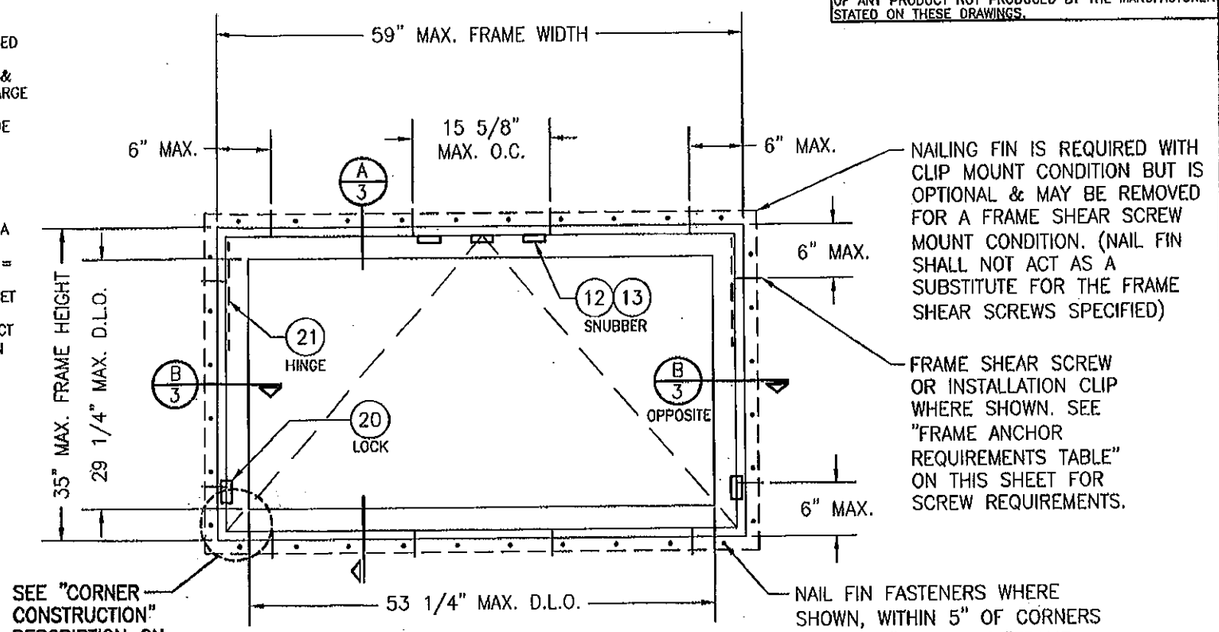
OPTION 2: SCREWED CONSTRUCTION. MEMBER ENDS ARE PROFILED AND PARTIALLY TENONED, BUTTED & ADHERED TOGETHER WITH BOSTIC 70-05/70-05A AND THEN SECURED WITH NO. 12 X 4" FH WOOD SCREWS (1 SCREW WITH SASH HEIGHTS LESS THAN 3.5"; 2 SCREWS WITH SASH HEIGHTS 3.5" TO 5 3/8"). THE CLADDING IS TABBED WITH THE TABS MEETING IN A BED OF BOSTIC IN A GROOVE ON THE EXTERIOR SASH FACE RESULTING FROM THE PARTIALLY TENNONED RAIL END.

SASH CORNER OPTION 2 WINDOWS ARE LIMITED TO MAXIMUM +/-60 PSF DESIGN PRESSURE (SEE PRESSURE NOTE ON THIS SHEET)

FRAME ANCHOR REQUIREMENTS TABLE

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SHEAR SCREWS			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 SELF TAP/DRILLING SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
INSTALLATION CLIP			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
NAILING FIN			
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
2X_ WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	2" X 11 GA. ROOFING NAIL	1 7/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 SELF TAP/DRILLING SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).



EXTERIOR ELEVATION
SINGLE AWNING WINDOW
SCALE: 3/4" = 1'-0"

ALLOWABLE WINDOW SIZE VS. PRESSURE TABLE (SINGLE WINDOWS)

GLASS OPTION	MAXIMUM FRAME HEIGHT (IN.)	MAXIMUM FRAME WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
			POSITIVE	NEGATIVE
A, C & E	35	59	75	75
B & D	35	59	75	75
	35	53	75	85

SEE GLAZING DETAILS ON SHEET 3 FOR GLASS OPTIONS.

ALLOWABLE PRESSURE NOTE:
PRESSURES LISTED IN TABLE CONSIDER WINDOWS WITH SASH CORNER CONSTRUCTION OPTION 1. WHEN SASH CORNER CONSTRUCTION OPTION 2 IS USED, ALLOWABLE PRESSURE MAY NOT EXCEED +/-60 PSF REGARDLESS OF PRESSURES SHOWN IN TABLE.

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

PRODUCT RENEWED
as complying with the Florida Buiding Code
Acceptance No 12-0620.10
Expiration Date 10/25/2017
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1026.10
Expiration Date Oct. 25, 2012
By
Miami Dade Product Control

OCT 21 2011

WARREN W. SCHAEFER P.E. No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.R.M. | CHECKED BY: W.W.S.
PLOT: 1=16 | DATE: 03/23/07

NO.	REVISION DESCRIPTION	DATE	BY
A1	UPDATE PER NEW TESTING AND CURRENT STANDARDS	08/30/09	WRM
B1	UPDATE CURRENT STANDARDS	10/21/11	WRM

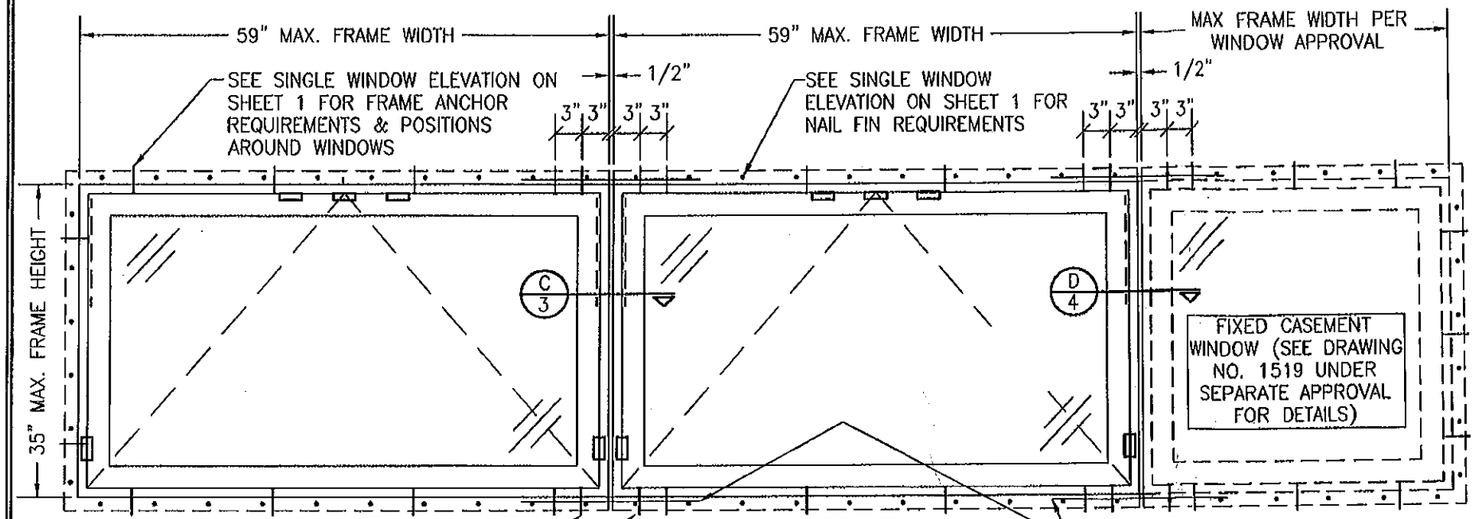
DRAWING TITLE: HIG ALUMINUM CLAD IMPACT AWNING WINDOW

MANUFACTURER: PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE 561-744-3424

CERTIFICATION

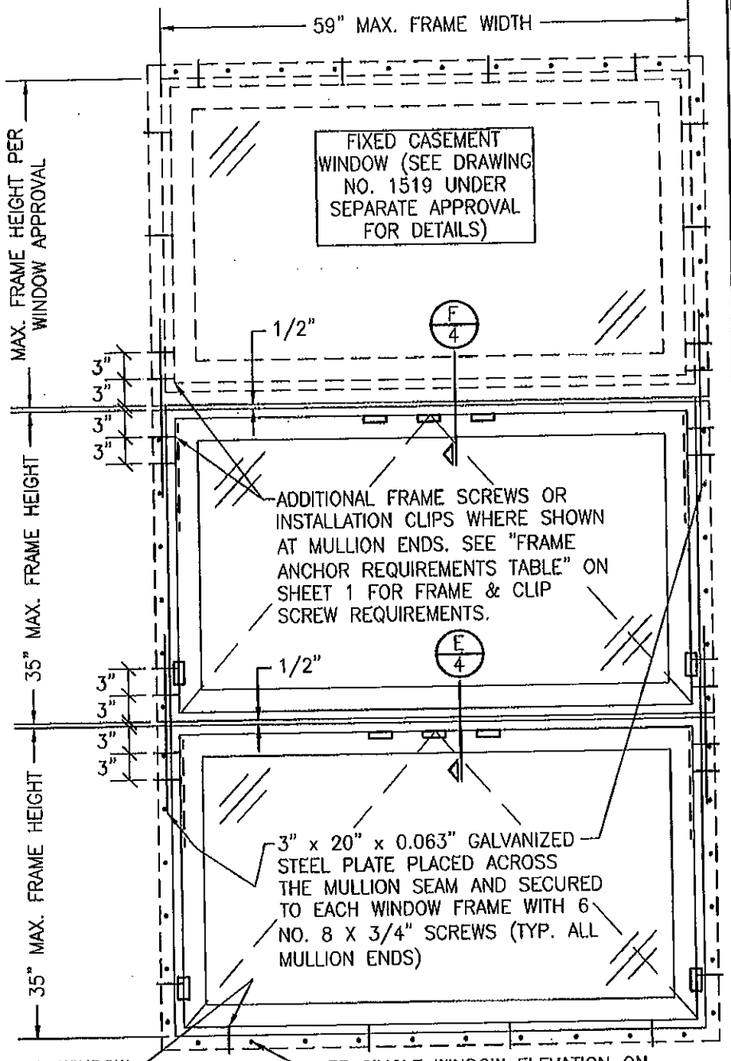
DRAWING NO. 1520 | REV. B
SHEET NO. 1 OF 5



EXTERIOR ELEVATION
MULTIPLE AWNING/FIXED WINDOW
SCALE: 3/4" = 1'-0"

ALLOWABLE PRESSURE (MULLED UNITS)		
MAXIMUM MULLION SPAN (IN.)	ALLOWABLE PRESSURE (PSF)	
	POSITIVE	NEGATIVE
59	75	75
53	75	85

MULTIPLE UNIT NOTES:
1. FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION.
2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERED FROM THE WINDOWS & THEIR MULLIONS.



EXTERIOR ELEVATION
MULTIPLE AWNING WITH TRANSOM
SCALE: 3/4" = 1'-0"
(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

PRODUCT RENEWED
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Miami Dade Product Control

PRODUCT REVISED
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Acceptance No 11-1026.10
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WARREN W. SCHAEFER LICENSE No. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER

DRAWN BY: W.R.N.	CHECKED BY: W.W.S.
PLOT: 1=16	DATE: 03/23/07

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
HIG ALUMINUM CLAD IMPACT AWNING WINDOW

MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
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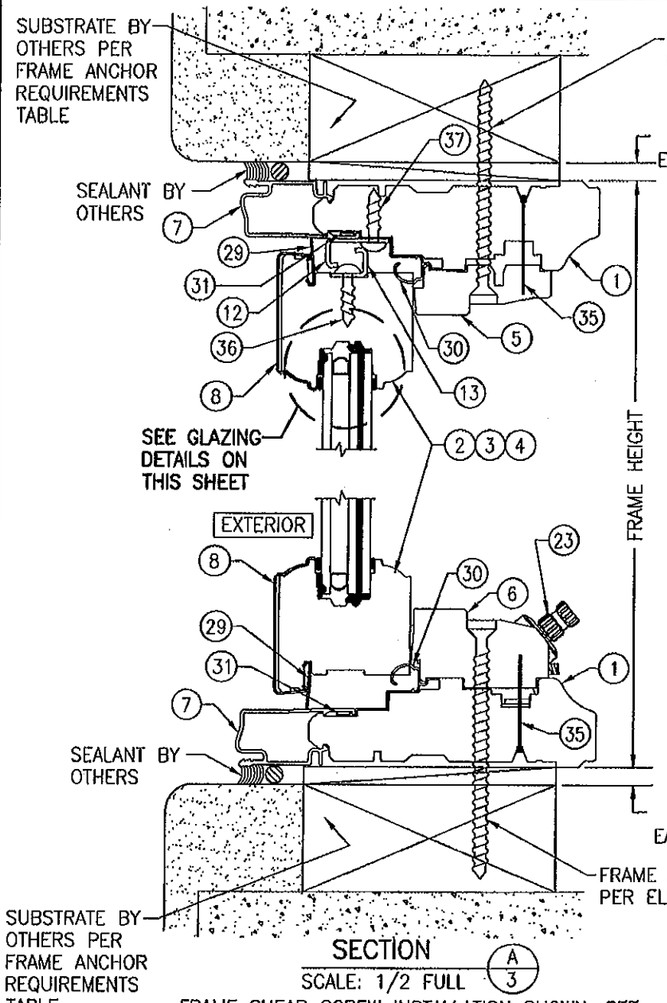
CERTIFICATION
OCT 21 2011
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.	REV.
1520	B

SHEET NO.
2 OF 5



SECTION (A/3)
SCALE: 1/2 FULL

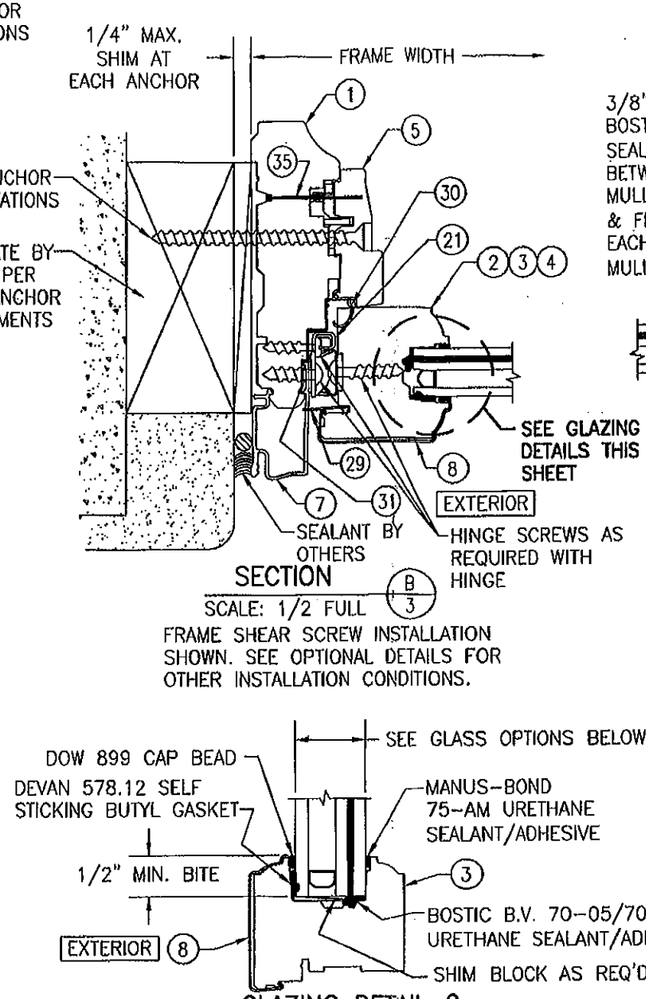
FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.

GLAZING DETAIL 1

GLASS OPTIONS:

OPTION A: 9/16" THICK LAMINATED GLASS (1/4" AN./0.09 DUPONT BUTACITE PVB/1/4" AN.)

OPTION B: 9/16" THICK LAMINATED GLASS (1/4" AN./0.09 DUPONT SGP/1/4" AN.)



SECTION (B/3)
SCALE: 1/2 FULL

FRAME SHEAR SCREW INSTALLATION SHOWN. SEE OPTIONAL DETAILS FOR OTHER INSTALLATION CONDITIONS.

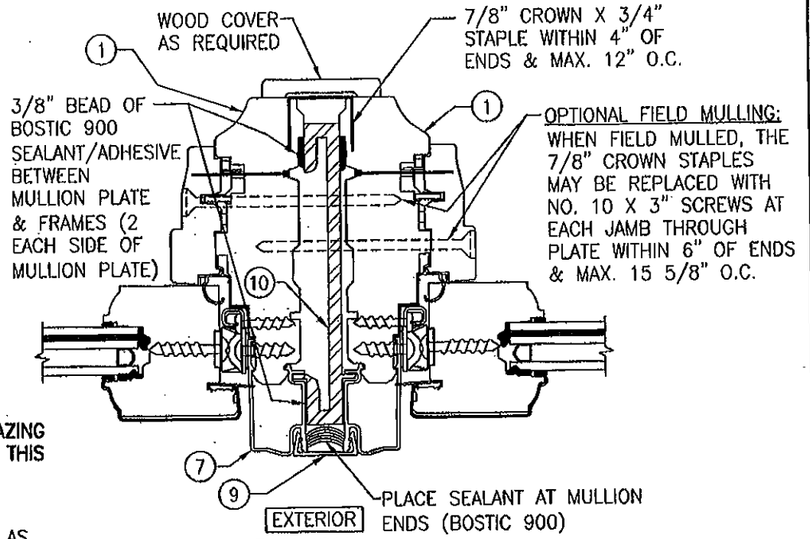
GLAZING DETAIL 2

GLASS OPTIONS:

OPTION C: 1" THICK LAMINATED I.G. GLASS (3/16" AN. EXTERIOR; 3/8" SPACER; 5/32" AN./0.09 DUPONT BUTACITE PVB/5/32" AN. INTERIOR)

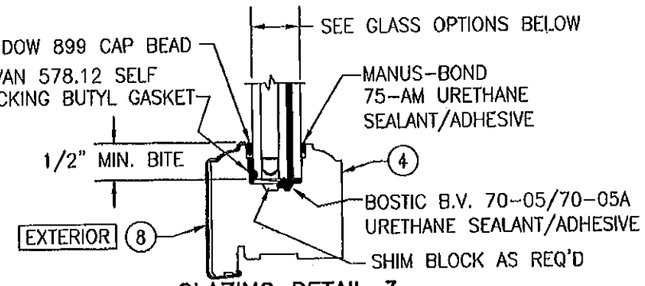
OPTION D: 1" THICK LAMINATED I.G. GLASS (3/16" AN. EXTERIOR; 3/8" SPACER; 5/32" AN./0.09 DUPONT SG/5/32" AN. INTERIOR)

1" I.G. GLASS NOTE:
THE EXTERIOR 3/16" ANNEALED PANE OF GLASS MAY BE SUBSTITUTED WITH 3/16" TEMPERED WHEN REQUIRED TO MEET SAFETY REQUIREMENTS.



SECTION (C/3)
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



GLAZING DETAIL 3

GLASS OPTIONS:

OPTION E: 11/16" THICK LAMINATED I.G. GLASS (1/8" AN. EXTERIOR; 1/4" SPACER; 7/64" AN./0.09 DUPONT BUTACITE PVB/7/64" AN. INTERIOR)

11/16" I.G. GLASS NOTE:
THE EXTERIOR 1/8" ANNEALED PANE OF GLASS MAY BE SUBSTITUTED WITH 1/8" TEMPERED WHEN REQUIRED TO MEET SAFETY REQUIREMENTS.

PRODUCT RENEWED
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PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1026.10
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WARREN W. SCHAEFER ★ ENGINEER ★ LICENSE No. 44135 ★ STATE OF FLORIDA ★ PROFESSIONAL

OCT 24 2011

WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

CERTIFICATION

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/23/07

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
HIG ALUMINUM CLAD IMPACT AWNING WINDOW

MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

CONSULTANTS
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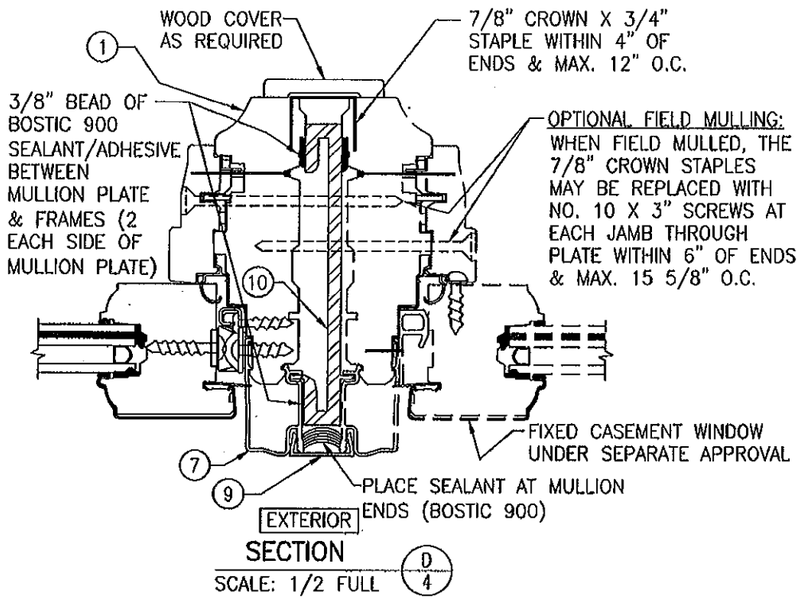
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

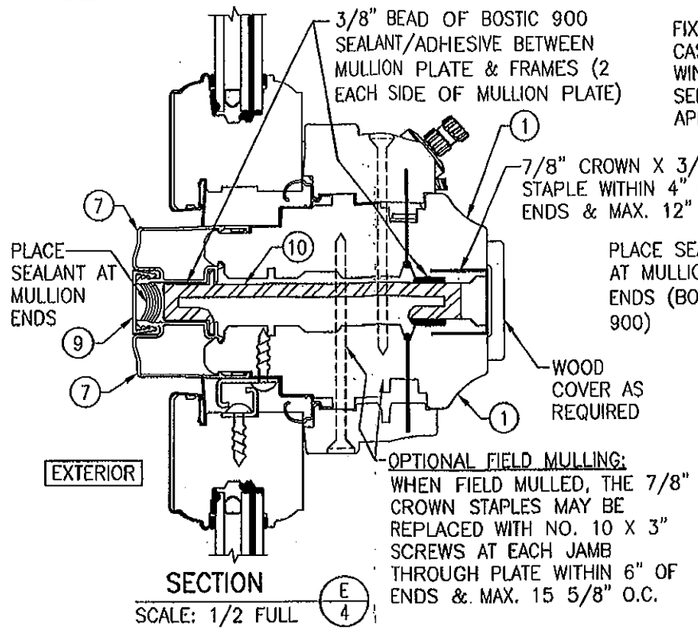
DRAWING NO. 1520 | REV. B
SHEET NO. 3 OF 5



SECTION D/4

SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



SECTION E/4

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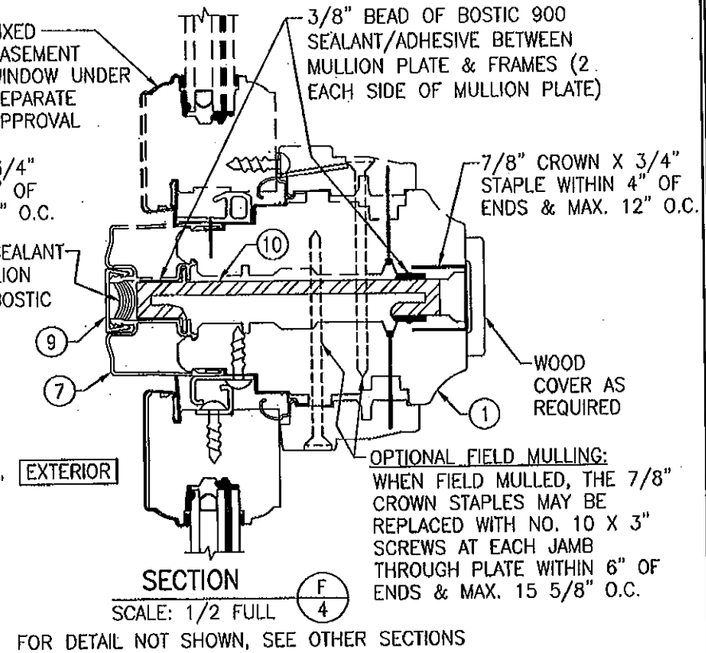
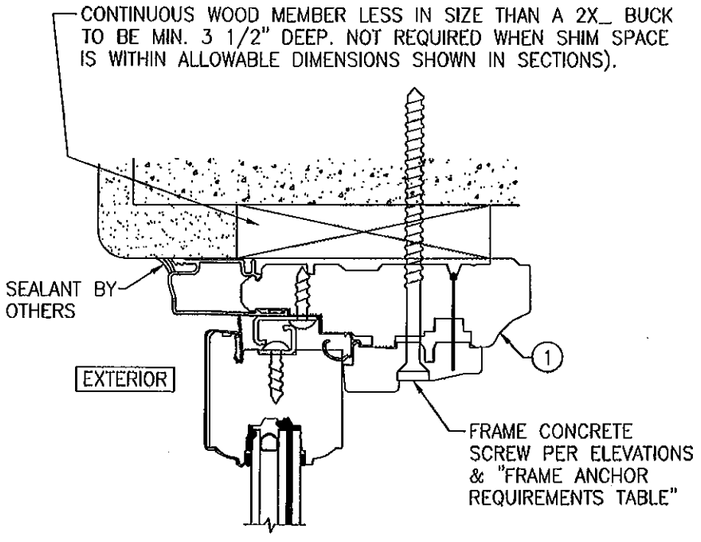
FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



SECTION F/4

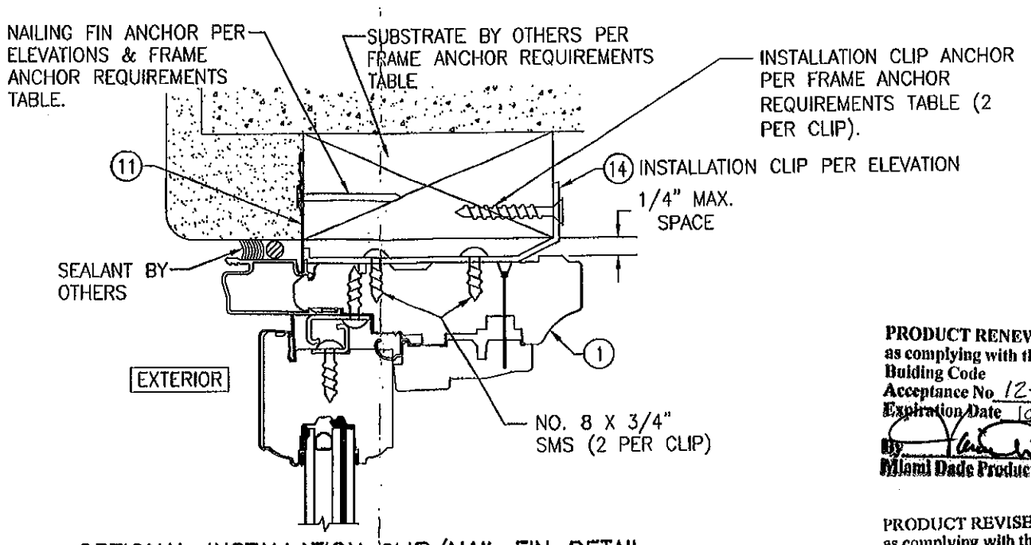
SCALE: 1/2 FULL

FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS



OPTIONAL DIRECT MOUNT DETAIL
TO BLOCK OR CONCRETE WITH SPACER OR SHIM

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)



OPTIONAL INSTALLATION CLIP/NAIL FIN DETAIL

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 12-0620.10
Expiration Date 10/25/2017
By
Miami Dade Product Control

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No 11-1026.10
Expiration Date Oct. 25, 2012
By
Miami Dade Product Control

WARREN W. SCHAEFER ★ ENGINEER ★ No. 44135 ★ STATE OF FLORIDA ★ PROFESSIONAL ENGINEER

OCT 21 2011

WARREN W. SCHAEFER, P.E. P.E. NO. 44135

DRAWN BY: W.R.H.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 03/23/07

NO.	REVISION DESCRIPTION	BY	DATE

DRAWING TITLE
HIG ALUMINUM CLAD IMPACT AWNING WINDOW

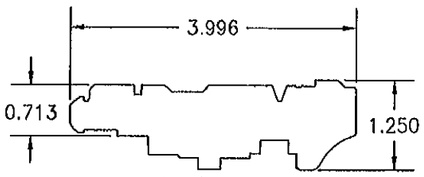
MANUFACTURER
PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219
641-621-1000

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

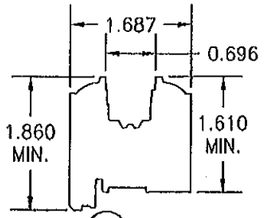
CERTIFICATION

DRAWING NO. 1520 | REV. B

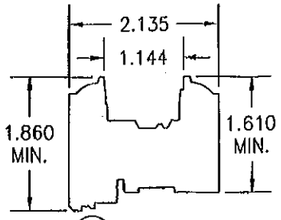
SHEET NO. 4 OF 5



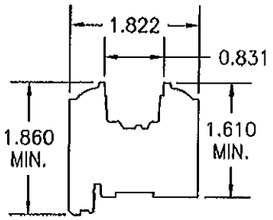
1 FRAME



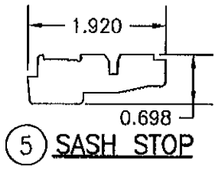
2 SASH
FOR GLASS
OPTIONS "A" & "B"



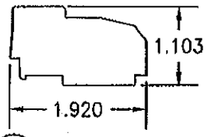
3 SASH
FOR GLASS
OPTIONS "C" & "D"



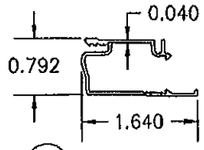
4 SASH
FOR GLASS OPTION "E"



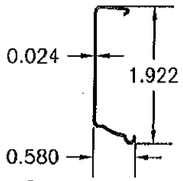
5 SASH STOP



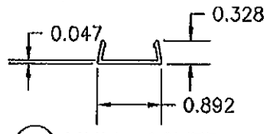
6 SASH STOP



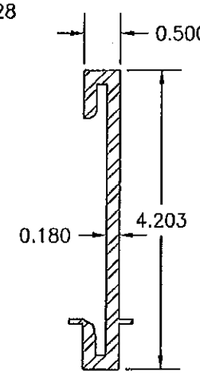
7 FRAME CLAD



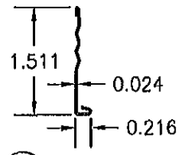
8 SASH CLAD



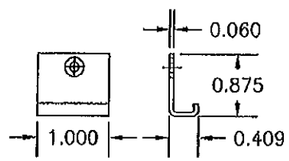
9 MULL COVER



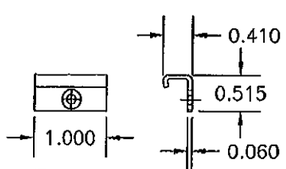
10 MULLION PLATE



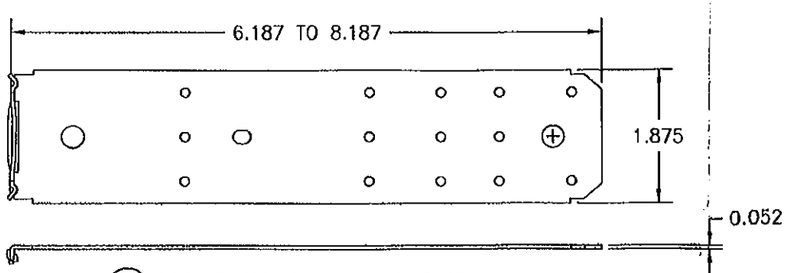
11 NAIL FIN



12 FRAME SNUBBER



13 SASH SNUBBER



14 FRAME INSTALLATION CLIP

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
	PARTS	
1	FRAME JAMB	WOOD
2	SASH FOR GLASS OPTION A & B	WOOD
3	SASH FOR GLASS OPTION C & D	WOOD
4	SASH FOR GLASS OPTION E	WOOD
5	SASH STOP	WOOD
6	SASH STOP (VENT SILL)	WOOD
7	FRAME CLAD	6063-T6 ALUMINUM
8	SASH CLAD	3003-H14 ALUMINUM
9	MULLION COVER	6063-T6 ALUMINUM
10	MULLION PLATE	6063-T6 ALUMINUM
11	NAIL FIN	3003-H14 ALUMINUM
12	FRAME SNUBBER	302/304 S.S. (3 PER WINDOW 6" APART)
13	SASH SNUBBER	302/304 S.S. (3 PER WINDOW 6" APART)
14	INSTALLATION CLIP	50 KSI GALVANIZED STEEL
	HARDWARE	
20	LOCKS (2 PER WINDOW)	PELLA #16DR
21	AWNING HINGE	TRUTH #13
23	ROTO OPERATOR	PELLA #2AAX/2AAY
	SEALS & SEALANTS	
29	RAINSTRIP	PELLA PART #75T2 - PVC DUROMETER 75
30	WEATHERSTRIP	PELLA PART #505J - PP/SANTOPRENE 64
31	FRAME CLAD SEALANT	BUTYL
	MISCELLANEOUS FASTENERS	
35	1 3/8" 4D ANNULAR RINGSHANK BOX NAIL	WITHIN 5" OF CORNERS & 4" TO 9" O.C.
36	NO. 7 X 1" FH SCREW	1 PER SNUBBER
37	NO. 7 X 3/4" PH SCREW	1 PER SNUBBER

NOTE: WOOD USED IN TESTING WAS WESTERN PINE WITH A SPECIFIC GRAVITY OF G = 0.43 AND A MODULUS OF ELASTICITY OF E = 1,200,000 PSI. OTHER WOOD SPECIES APPLICABLE FOR USE WITH THIS PRODUCT ARE THOSE WITH A SPECIFIC GRAVITY OF 0.43 AND MODULUS OF ELASTICITY OF 1,200,000 PSI OR GREATER. ALL WOOD IS MINIMUM GRADE 2 MILLED BY PELLA CORPORATION TO SELECT.

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CERTIFICATION
05-21-2011
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P.E. NO. 44135

DRAWING NO.	REV.
1520	B

SHEET NO.
5 OF 5